

**IN THE UNITED STATES ELECTED/DESIGNATED OFFICE  
OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
UNDER THE PATENT COOPERATION TREATY**

Applicant(s): Hidetoshi Ito et al.  
Intl. Appl. No.: PCT/JP2005/005312  
Intl. Filing Date: March 16, 2006  
Title: STIMULI-RESPONSIVE HYDROGEL, PRODUCTION  
METHOD OF STIMULI-RESPONSIVE HYDROGEL, AND  
POLYMER ACTUATOR USING STIMULI-RESPONSIVE  
HYDROGEL  
Docket No.: 112857-608

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**PRELIMINARY AMENDMENT**

Sir:

Please amend the above-identified International Application before entry into the National stage before the U.S. Patent and Trademark Office under 35 U.S.C. §371 as follows:

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 35 of this paper.

**Remarks** begin on page 37 of this paper.